

DATE: 10 Sep 1999

**STATEMENT OF WORK FOR THE
SCREENING/REPAIR
OF THE
LINE REPLACEABLE UNIT's (LRU)
AVENGER WEAPON SYSTEM, AN/TWQ-1
1430-01-378-6963**

Control Number: SOW-00-8442-09871A-3/1

1. This SOW identifies the work effort that shall be performed by the contractor to repair the Avenger Line Replaceable Unit's.
2. The attached manuscript has been reviewed and is concurred upon by the following signers:

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**STATEMENT OF WORK (SOW)
REPAIR**

FOR THE

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AVENGER WEAPON SYSTEM
AN/TWQ-1
NSN 1430-01-378-6963**

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Appendixes

A	Report DA-2404
B	Standard Form 364
C	Monthly Screening Report Format
D	Listing of Avenger Line Replacable Units (LRU)

TM 09871A-12&P	Operator & Maintenance Instructions for Guided Missile Battery Control Central, Vehicle Mounted, Avenger Air Defense System AN/TWQ-1
TM 9-1425-433-10 TM 09871A-10/2	Operator's Manual for Guided Missile Battery Control Central, Vehicle Mounted, Avenger, Air Defense Weapon System
TM 9-1425-433-BD TM 09871A-BD/3	Battlefield Damage Assessment and Repair, Guided Missile Battery Control Central, Vehicle Mounted Weapon System
TM 9-1427-433-34 TM 09871A-34/4	Avenger Line Replaceable Units
TM 9-1440-433-24P TM 09871A-24P/6	Guided Missile Battery Control Central, Vehicle Mounted: AN/TWQ-1 AVENGER Air Defense Weapon System
TM 9-1440-434-24&P TM 09871A-24&P/7	Launcher, Guided Missile, Vehicle Mounted: XM294
TM 9-4935-433-14 TM 09871A-14/9	Operator, Organizational, Direct Support and General Support Maintenance for Avenger LRU Test Program Set TS-4223/USM
TM 9-4935-433-14P TM 09871A-14P/10	Operator, Organizational, Direct Support and General Support Maintenance for Avenger LRU Test Program Set TS-4223\USM
DOD 4000.25-1-M NAVICPINST 4491.21A	MILSTRIP Manual Requisitioning of Contractor Furnished Material From the Federal Supply System

2.4 Industry Standards

ANSI/EIA-625	Requirements for Handling-Electrostatic-Discharge Sensitive (ESDS) Devices
ANSI/ISO/ASQC/Q9003-1994	Quality Systems

(Copies of military specifications and standards are available from the Naval Publications and Forms center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Weapons System Manager (WSM): Commander, Marine Corps Logistics Bases, (Code 844-2) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-5432 or DSN 567-5432. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410.)

3.0 **REQUIREMENTS**

3.1 **General Tasks**: In fulfilling the specified requirements, the Contractor shall:

- a. Provide materials, labor, equipment, facilities and missing/repair parts necessary to inspect, diagnose, restore, test, and calibrate the Avenger LRU. Upon completion of screening, the subject LRU shall be Condition Code "A."
- b. Requisition replacement parts from the applicable source of supply.
- c. Ensure LRU's are modified to current configuration. If a modification has not been applied, indicate on the Limited Technical Inspection at time of induction, as prescribed in paragraph 3.2.1.

3.2 **Detail Tasks**: The following tasks describe the different phases for screening/repair of the Avenger LRU's.

Phase I	Pre-Introduction
Phase II	Rebuild
Phase III	Inspection, Testing and Acceptance
Phase IV	Packaging, Handling, Storage and Transportation (PHS&T).

3.2.1 **Phase I - Pre-Induction**: A pre-induction inspection analysis shall be performed for each LRU within 5 working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign CC "F", otherwise assign CC "M" and induct into repair cycle. Standard Form 364 (Appendix B) and Report DA-2404 (Appendix A) shall be used to report all anomalies and shall be provided to the government in accordance with section 4.0 of this SOW.

3.2.2 **Phase II – Repair**: After pre-induction tests and inspections have been completed, repair of the LRU shall be accomplished in accordance with this SOW. Deficiencies noted on Appendix A and Appendix B during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

- a. **Hardware**

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety, and one-time use items.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

b. **Publications and Documentation:** The Contractor shall use appropriate technical documentation to restore the LRUs to condition code "A." The following Standards and Publications shall be used to assist the Contractor:

MIL-P-15024	Plates, Tags, Hose Assembly Identification
MIL-STD-130	Identification Marking of U.S. Military Property
TB 9-1430-433-14	
TB 09871A-12/12	Warranty Program for Avenger and Standard Vehicle Mounted Launcher
TM 09871A-12&P	Operator & Maintenance Instructions for Guided Missile Battery Control Central, Vehicle Mounted, Avenger Air Defense System AN/TWQ-1
TM 9-1425-433-10	
TM 09871A-10/2	Operator's Manual for Guided Missile Battery Control Central, Vehicle Mounted, Avenger, Air Defense Weapon System
TM 9-1425-433-BD	
TM 09871A-BD/3	Battlefield Damage Assessment and Repair, Guided Missile Battery Control Central, Vehicle Mounted Weapon System
TM 9-1427-433-34	
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TM 9-1440-434-24&P	
TM 09871A-24&P/7	Launcher, Guided Missile, Vehicle Mounted: XM294
TM 9-4935-433-14	
TM 09871A-14/9	Operator, Organizational, Direct

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM LRU Avenger Weapon System	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Request For Waiver	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B	5. CONTRACT REFERENCE SOW 3.3	6. REQUIRING OFFICE MCLBA (825)
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7. DD 250 REQ LT	8. DIST STATEMENT REQUIRED A	9. FREQUENCY ASREQ	10. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION		
8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE		b. COPIES	
				Draft	Final	
					Reg	Repro

16. REMARKS Blk 4 - Contractor format is authorized. Blks 10 & 12 - RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation. RFWs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government. RFWs shall be transmitted via E-Mail to the following address: crawfordbj@matcom.usmc.mil Distribution Statement A: Approved for public release; distribution is unlimited.	MCLBA (825-2)	0	1	0	
	15. TOTAL	→	0	1	0

G. PREPARED BY <i>Bettye Jan Crawford</i>	H. DATE 23 Aug 99	I. APPROVED BY <i>R.F. Jones for Larry Hernandez</i>	J. DATE 9/14/99
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

Support and General Support
Maintenance for Avenger LRU Test
Program Set TS-4223/USM

TM 9-4935-433-14P
TM 09871A-14P/10

Operator, Organizational, Direct
Support and General Support
Maintenance for Avenger LRU Test
Program Set TS-4223\USM

c. Repair time shall not exceed ninety days as a norm. The Avenger Inventory Managers shall monitor and direct retention or return to stock if it is anticipated that the repair time will exceed ninety days.

3.2.3 Phase III - Inspection, Testing and Acceptance

a. Inspection, testing, and acceptance of each LRU shall be conducted in accordance with TM 09871A-12&P. Records of tests shall be maintained for seven years.

b. The Contractor shall be responsible for conducting all required tests on the LRU's.

c. The Contractor shall be responsible for correcting deficiencies identified during inspection/ testing. MCLB (Code 844-2), Albany, Georgia, representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

3.2.4 Phase IV - Packaging, Handling, Storage, and Transportation (PHS&T)

a. The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work in accordance with MIL-STD-2073-1C. Specific packaging requirements relevant to each NSN covered under the screening program may be found by interrogating Defense Logistics Support Command's LOGRUN data base by NIIN. For items which are not loaded in LOGRUN, contact Marine Corps Logistics Bases (G330) at Commercial (912) 439-6856 or DSN 567-6856. Items being prepared for long term storage and/or shipment overseas destinations shall provide Level "A" protection. Items being prepared for domestic shipment and immediate use shall be provided Level "B" protection. Items which are electrostatic discharge sensitive shall be packed into reuseable fast pack container in addition to specific requirements delineated in MIL-STD-2073-1C, Specialized Preservation Code GX.

b. Marking. Marking of all items shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

3.3 Configuration Control: The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written

authorization. If it is necessary to depart from the authorized configuration baseline, the contractor shall submit a Request for Deviation or Request for Waiver. MIL-STD-973 (paragraphs 5.4.3 or 5.4.4 and Appendix E) may be used as a guide.

3.4 Government Furnished Equipment (GFE)/Materiel (GFM): GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/G316-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

3.5 Contractor Furnished Materiel(CFM): The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the contractor shall requisition through the DOD Supply System. DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6 Electrostatic Discharge (ESD) Control Program: The Contractor shall establish, implement and document an ESD control program following the guidelines provided in ANSI/EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

3.7 Quality Assurance Provisions: The Contractor shall provide and maintain a Quality System that has a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994, Quality System Model for Quality Assurance in Final Inspection and Test. The program shall ensure quality throughout all areas to include design, fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the Contractor shall be responsible for performance of all inspection requirements. The Government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements.

3.8 Acceptance: The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation material written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and the user shall be permitted to observe the work or to conduct inspections at all reasonable hours. Final inspection and acceptance testing shall be conducted at the Contractor's Facility. Final acceptance shall be conducted on 100% of items to verify that the units meet all requirements.

3.9 Rejection: Failure to comply with any of the specified requirements listed herein shall be reason for rejection by the Marine Corps representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

4.0 REPORTS

4.1 In fulfilling the specified requirements, the Contractor is required to submit:

a. A Monthly Avenger Screening Program Report, Appendix (C), which shall include all data from the previous months of the current fiscal year. The report should include all completed and In-process items in NSN sequence. This report will be submitted no later than the tenth of the following month.

b. The reports will be submitted via E-Mail to the Avenger Inventory Manager (IM), with courtesy copies to the Weapon System Manager (WSM) and Equipment Specialist (ES). E-mail addresses:

pooleca@matcom.usmc.mil	Cindy Poole - Item manager
herndonle@matcom.usmc.mil	Lawrence Herndon - Weapons System Manager
walkerc@matcom.usmc.mil	Charles Walker – Equipment Specialist

c. Prior to the submission of the final report (10 October), the Contractor shall close out the LRU Master Work Schedule Line item number that provides program funding. Non-closure shall not be cause for delay of the final report.

5.0 COST AND FINANCIAL ADMINISTRATION

a. Upon completion of negotiations, the agreed upon price will remain fixed for the duration of the repair effort, or through the end of the fiscal year, whichever comes first. The price for any work to be performed for the next fiscal year will be developed by the contractor facility, and will be submitted to MCLB Albany, in sufficient time to allow for processing of agreed upon documentation, prior to the beginning of the fiscal year.

b. The specific procedures, which shall be used to transfer funds under this SOW, shall be determined by financial management representatives of the two activities. On a quarterly basis, the Military Interdepartmental Purchase Request (MIPR) shall be used for transfer of funds between the parties to this SOW. The Contractor will submit final obligation by one (1) week prior to the end of the fiscal year. This agreement shall go into effect when funds are transferred to the Contractor.

5.1 The Program Pricing Policy for repair costs will be determined as follows:

a. Labor cost will be calculated and recorded against each item processed based on agreed labor hour rates.

b. Parts costs will be stratified over the dollar value (Standard Unit Price) of each item processed to include “lot-quantity” materials.

c. The pricing policy will allow for determination of fund balances based on Monthly Avenger Screening Program Reports and must equal the total funded for a fiscal year upon completion of the last in process items for that fiscal year.